

## WORK AUTHORIZATION

WA# 8-VOLPE

INITIAL FUNDING

AUTHORIZATION IS GIVEN TO INITIATE WORK AS DESCRIBED IN THE U.S. DEPARTMENT OF TRANSPORTATION (VOLPE CENTER)- TECHNICAL ASSISTANCE IAG #DW6995 3792-01 AND AS AMENDED. THIS INFORMATION IS PROVIDED FOR COST TRACKING PURPOSES.

To Be Filled Out by the On-scene coordinator:

Brief Description of Work to Be Done: PLEASE SEE THE ATTACHED SCOPE OF WORK AT THE LIBBY ASBESTOS SITE-SCREENING PLANT-OU 2.

Site Name: LIBBY ASBESTOS (LIBBY MONTANA)

Epa Site Id#: BC

On-scene Coordinator: JOHANNA MILLER

Period of Performance: 05-18-00 11-30-00  
From To

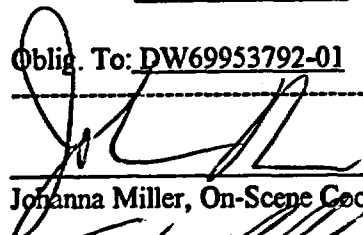
Dollar Amount Needed: \$1,200,000

To Be Filled Out by the IAG Project Officer:

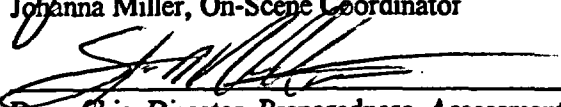
Previous Amount: ZERO Total Amount to Date: \$1,200,000

DCN: LRV006  
IAG#

	SUPERFUND ACCOUNT	OBJECT CLASS	AMOUNT
Deob. Fm: <u>DW69953792-01</u>	<u>99T8ALOE50102D08WQV00</u>	<u>25.07</u>	<u>\$1,200,000</u>
Oblig. To: <u>DW69953792-01</u>	<u>99T8ALOE50201D08BCRV02</u>	<u>25.07</u>	<u>\$1,200,000</u>

  
Johanna Miller, On-Scene Coordinator

5/12/00  
Date

  
Doug Skie, Director, Preparedness, Assessment, & Emergency Response Programs

5/18/00  
Date

ORIGINAL TO: JEFF MARSALA, CINCINNATI FINANCIAL MGMT. CTR.

COPIES TO: CAROL O'DONNELL, USEPA GRANTS SPECIALIST  
JOHN McQUIGGEN, VOLPE PROJECT MANAGER  
MIKE ZIMMERMAN, USEPA PROJECT OFFICER  
JOHANNA MILLER/PAUL PERONARD USEPA ON-SCENE COORDINATORS  
CHUCK BUTTERWORTH, PROGRAM ASSISTANT

## **SCOPE OF WORK**

### **Libby Asbestos Site – Screening Plant, OU 2**

Since November of 1999, EPA Region 8's Superfund Removal Program has been investigating potential asbestos contamination associated with a former vermiculite mine and its associated processing facilities in Libby, Montana. Through an extensive sampling program, EPA has identified the need to conduct a Time Critical Removal at the former Screening Plant which is part of the Libby Asbestos Site. EPA is requesting support from the DOT VOLPE Center to perform the necessary work associated with this Removal Action.

The scope of work for this work authorization is as follows:

1. Temporary relocation of on-site residents: The current residents will be temporarily relocated to an appropriate residential location in or near Libby. Expenses to be covered by the government include: moving expenses (both before and after the removal), daily/weekly/monthly rent (whichever is appropriate), and per diem in accordance with federal rates.
2. Site Preparation: Conduct a pre-removal survey of existing features in conjunction with the current homeowners to identify landscaping features that will either not be removed, that will require replacement, or that will be removed but will not require replacement. Conduct pre-excavation survey using a registered land surveyor licensed in the State of Montana. Major physical features and structures on each site will need to be located on the survey. The surveys will be used to establish air monitoring locations, limits of work areas and to post excavation confirmation soil sampling grids. Construct/ mobilize temporary offices and equipment storage areas and establish power and other utility hookups. Construct access roads as needed.
3. Decontaminate or remove buildings: Either through decontamination or demolition, all asbestos/vermiculite contamination shall be removed. This includes actions in the "long shed" the "office/home area" and other buildings on the property. Buildings will be assessed on a case-by-case basis to determine if decontamination is technically feasible and cost effective. The decision to either clean or dismantle shall be made in conjunction with the current property owner. A plan will be required to address in detail the handling of all waste streams generated from this operation.
4. Remove asbestos contaminated soil and vermiculite: Throughout the grounds of the screening plant there remains visible vermiculite in bulk piles, pits, and in the soil matrix. This vermiculite is known to be contaminated with asbestos fibers, and needs to be removed. The EPA is currently mapping out the levels of asbestos contamination and will designate the areas to be removed/excavated as part of the Scope of Work development. Initial removal efforts should be to remove all visible vermiculite in these areas, with confirmation sampling to follow. The EPA will determine the need for additional excavation based on the results of the confirmation sampling.

5. **Property Restoration:** In all areas disturbed during the removal action, and in conjunction with the needs of the current property owners, topsoil and vegetation (including trees, bushes, and grass) shall be replaced and replanted to an equivalent pre- removal state. Buildings shall be replaced to provide an equivalent value and square footage to pre-removal conditions. Alternatively, the property owner will be compensated for this value.
6. **Transportation and disposal.** All removed material shall be disposed of in a appropriately designed, constructed, and permitted landfill, or if respondent obtains property on the former Libby vermiculite mine a properly designed, constructed, and monitored disposal cell on that property. Materials from the Screening Plant shall be transported to the disposal site in lined and covered trucks.
7. **Preparation of a disposal Site at the mine or other appropriate disposal location:** Conduct needed surveying and grading to prepare an appropriate disposal area for the contamination being removed from the Screening Plant. After disposal, conduct appropriate covering and grading at the direction of the OSC.

For accounting purposes, the Screening Plant will be referred to as Operable Unit 02, of the Libby Asbestos Site. All costs associated with these tasks must be tracked separately from previous site costs under the investigation Work Authorization # 4.